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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/096,936	06/12/1998	TIMOTHY DARLAND	CDR97007	2377

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VERIZON
PATENT MANAGEMENT GROUP
1515 N. COURTHOUSE ROAD
SUITE 500
ARLINGTON, VA 22201-2909

EXAMINER	
SHAH, CHIRAG G	

ART UNIT	PAPER NUMBER
2616	

DATE MAILED: 12/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/096,936	DARLAND ET AL.	
	Examiner	Art Unit	
	Chirag G. Shah	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *9/12/06*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-14,16-22 and 30-34* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☒ Claim(s) *23-29* is/are allowed.

6)☒ Claim(s) *1-14,16,17,20-22 and 30-34* is/are rejected.

7)☐ Claim(s) *18 and 19* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 1-14, 16-17, 20-22, and 30-34 rejected under 35 U.S.C. 102(e) as being anticipated by Erwin et al. (H1,802), hereinafter referred as Erwin.

Regarding claim 1, an intelligent service network [call processor system see fig. 3], comprising:

a programmable switch [switch 300, see fig. 3]; and

a switch controller [call processor 312 or switching module 302, see fig. 3] coupled to said programmable switch [switch 300, fig. 3], and including a service control means for interfacing with an intelligent service network component of said intelligent service network [see fig. 3 and col. 7, lines 12-22, 38-48, 55-60 and col. 8, lines 30-38, where the call processor includes call processing application control means for providing various call processing and signaling function and interfaces network management servers, network switching modules and servers for sending signaling and call control data].

Regarding claim 2, further comprising: an intelligent service network component [primary and secondary management servers 314] coupled to said switch controller [call processor 312, see fig. 3 and col. 7, lines 38-48].

Regarding claim 3, wherein said switch controller [call processor 312, see fig. 3] further comprises: a programmable switch support means [telephony support modules 304 and interface modules 306, see fig. 3 and col. 7, lines 38-65] for providing an interface to said programmable switch; and a call control means [call processor 312, see fig. 3 and col. 7, lines 12-22, 38-48, 55-60 and col. 8, lines 30-38] for establishing a connection between ports on said programmable switch.

Regarding claim 4, wherein said switch controller further comprises: a resource control means for allocating resources [see col. 8, lines 55-65, where the call processor is operable to transfer/allocate the format data from the storage device to other components of the telecommunication switch].

Regarding claim 5, Erwin discloses in fig. 3 wherein the switch controller[call processor 312 of fig. 3] further comprises: management interface [network management server interface] means for providing an interface to external management systems [routers].

Regarding claim 6, Erwin discloses in fig. 5 and in col. 10, lines 38-67 of the intelligent programmable switch includes a digital exchange [digital signal processor, see col. 10, lines 38-67].

Regarding claim 7, Erwin discloses wherein said intelligent service network component comprises one of an operator console, an automated response unit, a service switching control point, and a protocol converter [see col. 5, lines 18-20 and 37-50, where the telecommunication switch preferably includes one or more switching module for performing switching operations].

Regarding claim 8, Erwin discloses in fig. 3 and col. 6, lines 66-to col. 7, lines 4 wherein said intelligent service network component comprises one of a means for accessing data [telephony support module 304], and a means for interfacing [the interface module 306] with a caller.

Regarding claim 9, Erwin discloses wherein said intelligent service network [call processor system 312] component comprises one of a network information distribution system database [primary network management server 314] coupled to said switch controller [switching module 302] via a network information distribution system server, an applications database, a data distribution system database, and a mainframe database [see fig. 3 and col. 7, lines 12-22, 38-48, 55-60 and col. 8, lines 30-38].

Regarding claim 10, further comprising: a system management system [primary network management server 314] coupled to said switch controller [switching module 302, see fig. 3].

Regarding claim 11, further comprising: a force management system [primary network management server B 314] coupled to said switch controller [switching module 302, see fig. 3].

Regarding claim 12, further comprising: a configuration and provisioning system [see col. 7, lines 38-48] coupled to said switch controller [switching module 302, see fig. 3].

Regarding claim 13, further comprising: another programmable switch coupled to said switch controller [see col. 8, lines 20-38, where another telecommunication switch is coupled to a switching modules].

Regarding claim 14, further comprising: another intelligent service network component coupled to said switch controller [see col. 8, lines 20-38, where another telecommunication switch containing the call processor system 312 is coupled to a switching modules].

Regarding claim 15. (Canceled)

Regarding claim 16, further comprising: another switch controller [switching module 302]; and one or more intelligent service network components coupled to at least one of said

switch controllers [see col. 8, lines 20-38, where the call processor system sends signaling and call control data to another telecommunication switch].

Regarding claim 17, further comprising:

another programmable switch [see col. 8, lines 20-38, where the call processor system sends signaling and call control data to another telecommunication switch]; and

another switch controller, wherein each of said switch controllers is coupled to at least one of said programmable switches [see fig. 3, where call processors or switching modules is coupled to programmable switches] .

Regarding claim 20, Erwin discloses messaging interface [call processor 312], comprising:

a means for communicating with a programmable interface messages [interface module 306 and 304]; and a means for communicating with an intelligent transmission control messages [network management server] using programmable switch service network component [call processing and signaling functions, see col. 7, lines 11-48 and fig. 3].

Regarding claim 21, further comprising: a means for communicating with a system management system using system management messages [see col. 7, lines 11-48 and fig. 3, call processor system communicates with primary management server].

Regarding claim 22, further comprising: a means for communicating with a force management system using force management messages [see col. 7, lines 11-48 and fig. 3, call processor system communicates with secondary management server].

Regarding claim 30, Erwin discloses in fig. 3 and col. 7, lines 12-22, 38-48, 55-60 and col. 8, lines 30-38 of a communication system for providing telecommunication services, comprising:

a switch [switch 300, see fig. 3] configured to process a call received from a telephony network according to program instructions; and

a switch controller [call processor 312, see fig. 3] configured to generate the program instructions to the switch for distributing the call to a plurality of network components [, 302, 304 and 306] based on availability of the network components, wherein the network components and the switch controller [call processor 312, see fig. 3] are connected over a common data network [see data network of fig. 3].

Regarding claim 31, Erwin discloses in fig 5 of wherein the plurality of network components [304 of figs. 3 and 5] include an intelligent peripheral [call control manager 518 and 520] configured to provide one of operator services, and voice response services based on the received call.

Regarding claim 32, wherein the plurality of network components [304 of figs. 3 and 5] include a network information distribution system configured to access data including one of

customer account information, call routing information, and prepaid call information in response to the received call [see col. 9, lines 46-64].

Regarding claim 33, Erwin discloses wherein the plurality of network components [304 of figs. 3 and 5] include a protocol converter configured to converting protocols of an external resource to a protocol compatible with the data network [see col. 5 lines 48 to col. 6, lines 6].

Regarding claim 34, wherein the plurality of network components [304 of figs. 3 and 5] include a management system configured to provide one of work force management, provisioning of resources, and configuration of the resources [see col. 7, lines 38-48 and col. 8, lines 20-38, where call setup functions to provisioning and configuration take place].

Allowable Subject Matter

3. Claims 23-29 allowed.

4. Claims 18-19 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chirag G. Shah whose telephone number is 571-272-3144. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 571-272-7682. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

cgs
November 30, 2006

CHIRAG G. SHAH
PRIMARY PATENT EXAMINER

Chirag G. Shah
Primary Examiner, 2616